AMENDMENTS TO THE CLAIMS:

Complete Listing of Claims

Claims 1-6. (canceled)

Claim 7. (currently amended)   A noise reduction circuit for an RF front end system comprising:

        a. a controller circuit

        b. a user interface connected to the controller circuit that provides user input to the controller which indicates the user's selection of an RF channel;

        c.   an RF tuner; and

        d. a programmable digital filter that receives a signal from the RF tuner and filter program settings from the controller and then filters the signal from the RF tuner based on the filter program settings;

        e. wherein the program settings for the programmable filter determined by the controller depend on the RF channel selected by the user, and ~~The circuit of claim 3~~ wherein the program settings ~~setting~~ for the programmable filter are determined by characterizing the noise of the circuit in operation for each RF band.

Claim 8. (currently amended)   <u>A noise reduction circuit for an RF front end</u>

<u>system comprising:</u>

                <u>a. a controller circuit</u>

                <u>b. a user interface connected to the controller circuit that provides</u>

<u>user input to the controller which indicates the user's selection of an RF channel;</u>

                <u>c.   an RF tuner; and</u>

                <u>d. a programmable digital filter that receives a signal from the RF</u>

<u>tuner and filter program settings from the controller and then filters the signal</u>

<u>from the RF tuner based on the filter program settings;</u>

        <u>e. wherein the program settings for the programmable filter determined by</u>

<u>the controller depend on the RF channel selected by the user, and</u> ~~The circuit of~~

~~claim 3~~ wherein the program <u>settings</u> ~~setting~~ for the programmable filter are

determined by characterizing the noise of the circuit in operation for each RF

band and RF channel.

Claims 9-11. (canceled)

12. (currently amended)   A noise reduction circuit for an RF front end system comprising:

        a. a controller circuit

        b. a user interface connected to the controller circuit that provides user input to the controller which indicates the user's selection of an RF channel;

        c. an RF tuner; and

        d. a programmable switched capacitor filter that receives a signal from the RF tuner and filter program settings from the controller and then filters the signal from the RF tuner based on the filter program settings;

        e. wherein the program settings for the programmable filter determined by the controller depend on the RF channel selected by the user, and ~~The circuit of claim 9~~ wherein the program settings ~~setting~~ for the programmable filter are determined by characterizing the noise of the circuit in operation for each RF band.

Claim 13. (canceled)

Claim 14. (currently amended)   <u>A noise reduction circuit for an RF front end</u>

<u>system comprising:</u>

>   <u>a. a controller circuit</u>

>   <u>b. a user interface connected to the controller circuit that provides</u>

<u>user input to the controller which indicates the user's selection of an RF channel;</u>

>   <u>c.   an RF tuner; and</u>

>   <u>d. a programmable switched capacitor filter that receives a signal</u>

<u>from the RF tuner and filter program settings from the controller and then filters</u>

<u>the signal from the RF tuner based on the filter program settings;</u>

>   <u>e. wherein the program settings for the programmable filter determined by</u>

<u>the controller depend on the RF channel selected by the user, and</u> ~~The circuit of~~

~~claim 9~~ wherein the program <u>settings</u> ~~setting~~ for the programmable filter are

determined by characterizing the noise of the circuit in operation for each RF

band and RF channel.

Claims 15-18. (canceled)

Claim 19. (currently amended)   A noise reduction circuit for an RF front end

system comprising:

     a. a controller circuit

     b. a user interface connected to the controller circuit that provides user

input to the controller which indicates the user's selection of an RF channel;

     c. a RF tuner; and

     d. a programmable filter incorporated in a DSP that receives a signal from

the RF tuner and filter program settings from the controller and then filters the

signal from the RF tuner based on the filter program settings;

     e. wherein the program settings for the programmable filter determined by

the controller depend on the RF channel selected by the user, and ~~The circuit of~~

~~claim 15~~ wherein the program settings ~~setting~~ for the programmable filter are

determined by characterizing the noise of the circuit in operation for each RF

band.

20. (currently amended) A noise reduction circuit for an RF front end system comprising:

a. a controller circuit

b. a user interface connected to the controller circuit that provides user input to the controller which indicates the user's selection of an RF channel;

c. a RF tuner; and

d. a programmable filter incorporated in a DSP that receives a signal from the RF tuner and filter program settings from the controller and then filters the signal from the RF tuner based on the filter program settings;

e. wherein the program settings for the programmable filter determined by the controller depend on the RF channel selected by the user, and ~~The circuit of claim 15~~ wherein the program settings ~~setting~~ for the programmable filter are determined by characterizing the noise of the circuit in operation for each RF band and RF channel.